

Teacher: Ryan McCarthy
Classroom Teacher: Mrs. May
Date of Lesson: January 28th, 2014
Lesson Title: Solving Algebraic Equations
Grade Level: 9-11th

Lesson Objective: *Solve quadratic equations using the Quadratic Formula and Classify roots using the discriminant.*

Essential Question: What is the Algebraic Formula and how do you use it? What parts of the equation are needed to plug into the formula?

Blooms Level:

Materials Used in Lesson:

1. White Boards w/ Erasers
2. Dry Erase Markers
3. Graphing or Scientific Calculator
4. iPad

Lesson/Process/Activities:

1. Bell work:
 - a. Will watch a video explaining how to complete and use the quadratic formula and then how to find the discriminant.
2. Anticipatory Set:
 - a. Review bellwork and answer questions.
3. Lesson Activity:
 - a. Complete the worksheet 5.6 Practice A 1-39 odd only in class. Students may use notes from the video. They cannot share answers or talk excessively amongst each other.
4. Closure:
 - a. Final review of the formula and how to get the needed information plugged into the equation. Turn in your worksheets to Mr. McCarthy then sit and get out a pen or pencil.

Assessment:

1. Complete the two word problems at the bottom of Practice A (40 and 41) and give them to Mr. McCarthy when you walk out the door.

Accommodations/Modifications:

Students who did not attend will be able to download the worksheets done in class off the the blog.

Desired Outcome:

My desired outcome of the lesson was actually the outcome. Everything went smoothly and there were no major problems. I know I cannot anticipate every question a student may have so there was some time spent on answering questions and checking work. All

in all students reacted very well to this lesson and took away some new information.

Ryan McCarthy – 12th grade

Empire High School

Instructional Technology Lesson Video Submission

<http://youtu.be/Ag46Y5YQAX8>